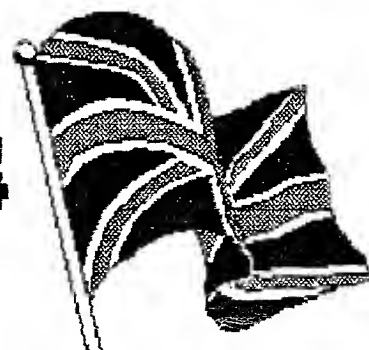




geoNEWS



JOURNAL OF geoCLUB

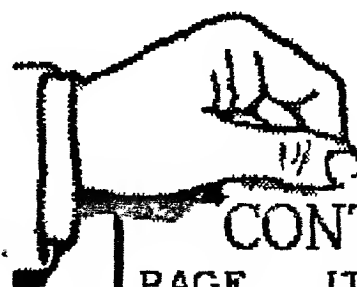
ISSUE 14

OCTOBER 1992



EDITOR'S COMMENTS

Well yet another hectic month, with some good news and some bad. First the good, we had a further 16 people join us this month bringing the total membership to 98. The bad news is really sad news, one of our members passed away, see In Memorium Page 7. My apologies to those new members awaiting back issues, we are trying to keep up believe me but everyone is working on a voluntary basis and some are able to devote more time than others. I seem to be getting more and more members or prospective members asking where can they obtain GEOS V2.0 and such like, unfortunately, this is where our biggest problem lies, there are no suppliers who carry this software in stock. One member bought himself a copy from Tech Media, Box 2151, Salisbury, MD 21801. it cost him \$35 plus postage, quite a good buy. I did import some V2.0 and geoPublish but I do not really want to make a habit of doing this as I am not in the computer / software business and should anything go wrong, ie lost money etc., then I would find myself with a serious problem and I do not think I need this sort of hassle. Happy GEOS-ing Frank



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INFO

NAME FRANK CASSIDY
STREET
TOWN
CITY MANCHESTER
ZIP
TEL
PACKET

■ WRITE PROTECT

OVERLAY HELP SHEETS

by BAZ Hodgson

When I got my name into print it went straight to my head. More, I must have more ! So sorry folks you'll have to put up with another load of blather.

Inspired by an article in a previous issue of the Club mag (my thanks to the author), I decided to create a few overlays to help me use GEOS. They fit over the keyboard for quick reference and ease of access. I find printed sheets tend to get lost in my litter of papers as I lack a tidy desk as well as a tidy mind. The latter making the overlays a must as I just can't remember all the shortcut keys or even the submenu contents in all the different applications - especially as there is no continuity (well not much, anyway).

As yet there are only overlays for DeskTop, GeoPaint, GeoWrite and GeoCalc. I am working on GeoPublish and GeoFile but I'm having difficulty getting everything onto the overlay in a print size that's easily and clearly readable.

The overlays are printed out, pasted on to card, cut out and then laid over the keyboard. Hopefully to fit neatly!

If there is anyone interested in obtaining copies then there are a few alternatives:-

a) have the GeoPublish data disc as a club disc at usual cost. NB Only for people with GeoPublish.

b) have the overlays printed by me on to paper to complete themselves - cost of a foolscap envelope and 2x24p stamps (1 to cover cost of paper).

c) there may be a possibility of getting them already on cards if demand is sufficient - at cost of card, and dependant on Frank's generosity. He will need feedback on this!

I hope they will be of help to someone as I did spend a lot of time when I should have been dusting, Hoovering, washing and ironing. Jobs I really love!

It's up to you to let us know - and how about some articles from other aspiring geni?

B. Hodgson

Hull

*Fig. 1 - Left Side size 20cm x 18cm
Fig 2 - Right Side size 15cm x 18cm
Fig 3. - Size and Type of print*

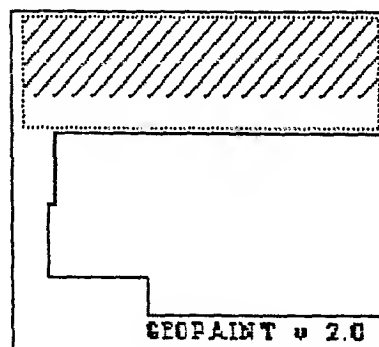


Fig. 1

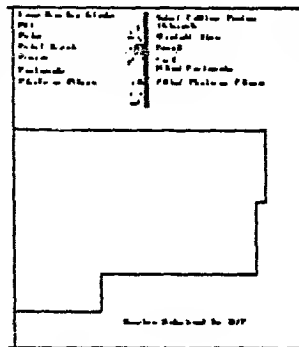


Fig. 2

PAGE

Previous page G <-
Next Page G N
Goto Page G G
Page Break G L
Set first page
Title page
NLQ spacing

Fig.3



GeoPublish 99 Kbytes of fascination !!



Part One

by

Roy McIntosh

For an ordinary User to be able to write anything meaningful about

GeoPublish, it is important that the person writing the article knows the program inside out. Being the sort of User that I am, and not knowing the program half as well I'd like, I have decided for the sake of clarity to dive deep into the already well documented work of an Author on the Geos World here in Germany: Mr Florian Mueller. The information supplied by this Author has to be rated second to none, he has written many books on Geos and knows the GeoPublish program in depth.

Before I get into the actual description of the program itself, which hardware is necessary to be able to run the program effectively? GeoPublish is the largest program developed for the C64/C128. It consists of 99 Kbytes of pure programming ingenuity and must be one of the most complicated programs of it's genre for the Commodore 64/128.

If you are going to consider purchasing this program, you will have to consider the following points first. Unlike other Geos applications that can just get away with the basic hardware setup of keyboard, monitor, two - or even one drive. The GeoPublish program is very different. The very fact that it is so large causes a great deal of problems. All data not finding room in the integrated keyboard RAM is held in the RAM in the drive. This causes a constant loading and downloading to and from the drive everytime that information is required. Valuable time is spent purely on the downloading routines, which leaves very little time to actually work with the program. Even with a 1581 as a second drive (storage capacity of almost 800 Kbyte) the speed that the information is downloaded leaves a lot to be desired. So back to my main point - you ought to consider purchasing a Ram Extension Unit (REU). This one piece of hardware makes all the difference. The speed with which you can then work with GeoPublish is breathtaking, no more long waits when accessing the drives.

The ultimate setup would be: C64/C128, 1541 or 1571, 1581, monitor, 1531 mouse and of course a 9 or 24 pin printer. It is possible to use a joystick with GeoPublish but for exact positioning and speed a proportional mouse (Commodore 1531) should be taken into consideration.

There is also one other piece of information worth mentioning before getting on with the main article. The resulting GeoPublish printout is largely dependent on two factors; the printer hardware and the printer software used. Most 9- and 24-pin matrix printers can be used with GeoPublish. It is not, however, recommended that printers with a lower printer resolution than 9-dots be used. Using a single-sweep printout is okay for testprints but anything between a three- to six-sweep printout should be used for maximum effect on GeoPublish documents. GeoPublish can also be used in conjunction with a Postscript Laser Printer. The use of such a printer squeezes the best possible results out of GeoPublish - but the costs of such a printer are still very high and very few people would consider one of these printers for use with Geos. At a later date there is going to be a form of Laser printing service on offer to members of the geoClub. More about this later on! Anybody who is presently contemplating buying a new printer is strongly advised to purchase one of the many printers that are equiped with a centronics port (for use with a Geos-(gc-) cable. These printers with gc-cable allow a faster printout to be achieved than a printer connected via the serial port of your C64 or C128 keyboards. A further bonbon, (excuse the odd German word slipping in here and there), for the User interested in an excellent reproduction of his GeoPublish document, can be obtained if the program Geos LQ (Perfect Print) were to be purchased at some time or other. The included HQ-drivers for use with GeoPublish deliver an excellent reproduction - although I must admit a printout does take a bit longer than with other printer drivers available. Depending on the use of the document it is possible to use a one-pass driver for printing out copies for checking and leave the more time consuming drivers for the finished product. Well, in the next issue we are back to the topic in hand - GeoPublish. Roy :-)

AUSSIE ANSWERS

By Andrew Fisher

If you've read the August 1992 issue of geoNews, you'll have seen Warren Naismith's GE-OZ column, asking about various programs or utilities. Here are a few replies to Warren's questions.

Ink and paint!

Geopaint does feature the ability to turn graphics through 90 degrees. Select the region and rotate it. If the region is very large, it may not all fit in. Geopublish can rotate text, printing up or down in any size. Shrinking/enlarging is also done using the region command. Select an area, then use the cut/copy option from the "edit" menu (this places the graphic into a Photo scrap). Select a new region of a different size or place, and select paste from the edit menu. Select "stretch + scale to fit" (the lowest of the 3 options on the left) and choose the other options. Click OK, and you'll get the altered image. If you want to change the size, click on the little box at the bottom right of the dotted region boundary and change the size of the region to your heart's content. If you want more graphic effects, check out **NewTools 2** on DweezilDisk 1 (available from geoClub).

The idea of a screen-sized text output can be dealt with in 2 ways. Editing can be done in **Q + D Edit** by Kostella and Buckley (RUN Power Pak 2). This features a built-in font that produces 53 columns on the 40 column screen (proportionally spaced). Editing is slightly faster than Geowrite, and files can be opened and saved in Geowrite (1.1, 2.0 or 2.1 version) format or ASCII/PET ASCII sequential files for loading into other programs/downloading via modem. **DocWright 2** also by Joe Buckley and on RUN Power Pak 2 requires you to select a Geowrite file.

This file is copied into a new application file, which is given a name and **MUST** keep that name. When the application file is double clicked, you are asked if you want a hardcopy (printout); click **YES** if the printer driver is on the same disk and ready for use. Whatever option you choose, the text is displayed a screen at a time (retaining style commands) in California 10pt. Clicking the mouse advances a page at a time. Clicking the close box or pressing the button at the end of the file returns you to desktop/alternative desktop. It's perfect for putting instructions or extra messages with a program, or for putting letters on a disk and sending them to a friend.



Well, I liked your idea of Geopoly (monopoly) so much, I will attempt to write a version in Geobasic. I've got to find some spare time each month to dedicate to a long-term project (a part time job has put paid to programming full time). As for astrology, I don't know of any such program but I'm sure someone else could come up with a program. I hope you like the little icons featured.



Miscellaneous bits, mate!

As for "small" versions of Geocalc and Geofile, the only programs I know of are **CardFile** by Joe Buckley on RUN Power Pak 1, and **GeoDex** on Desk Pack Plus. GeoDex definitely fits the bill, along with a Geobasic program called **Roledex** which emulates one of those filing systems you can get. There doesn't appear to be a small financial program for GEOS, although my main source of reference (**GeoDirectory** by Peter Hughes) is a little out of date. Education software for GEOS includes GeoMath (a maths tutor), States'n'Caps (for learning American states) and various other games to test your word power. Anyway, I'm looking forward to the next GEOZ column!

Cambridge,
ENGLAND.



GEOSNIPS

Snippets of GEOS facts and fun for your interest

WELCOME to the second GeoSnips. I hope that you found the last one of some use. Do remember, if you have any quick tips, let me know and I will try and include them in a future edition of **GEOSNIPS**.

GeoSnip - 4

A quick way to get to the part of a GeoPaint page that is some distance from the part that you are currently working on is to take the pointer to the bottom of the screen where you will see a 'map' of the entire page and within this is a smaller rectangle that represents just where on the page the current drawing window is. Click on this small rectangle, and drag it to the place on the page you wish to move to. Click again, and that portion of the page will then be drawn in your drawing window. This is much quicker than scrolling down the whole page using the scroll arrows from the menu at the side of the screen.

GeoSnip - 5

When using GeoPublish with a two drive system do ensure that your files are arranged on your disks as follows to allow your document to be printed out correctly: On the disk with the GeoPublish application you need to also have the fonts, printer driver and any photo scraps, and on the disk with your GeoPublish document you will need your GeoWrite text files.

GeoSnip - 6

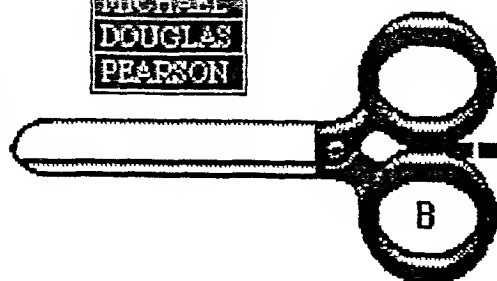
A problem that I have recently encountered (and I would be pleased for any tips to help) is when I have exited (quit) from a GeoPublish document whilst being in zoom mode with text on the screen from an imported GeoWrite file. If the text in the GeoWrite file is then modified, the GeoPublish file is then reloaded, an error message will state that the text file cannot be found, and on one occasion I could not get back into the GeoPublish document. A lot of hard work was wasted and I had to start again! The advice is never to exit from a GeoPublish file whilst in zoom mode OR do not modify a GeoWrite file that is to be reimported into the GeoPublish document, without having previously cleared the original text from the region. Or is there a simpler solution to this apparent problem?

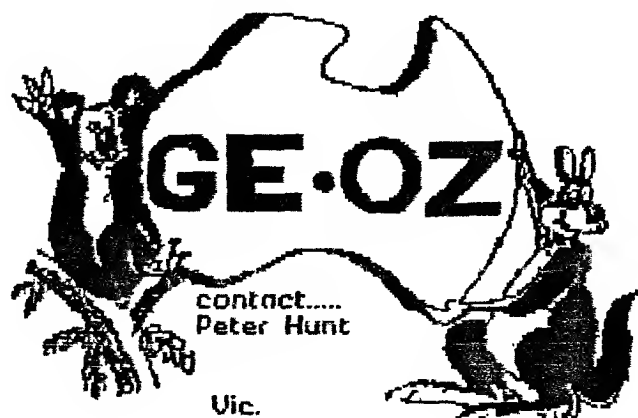
HAPPY GEOSING!

**MICHAEL
DOUGLAS
PEARSON**

(C) July
1992.

Stratford upon Avon,
Warwickshire.





FREE DISKS

We have been sent some graphics by a lady GEOS user in Blair Athol, South Australia called Mrs. Jane Jones. She is not a member of our group and so it was a very kind gesture, I have already written to thank her for the kindness shown to us, I also sent a copy of our newsletter and a disk of graphic items scanned in by me. The first of these JMV disks will be given free with the Christmas issue.



COMMODORE NETWORK

A new C64 user group has been formed by Warren Naismith of Cobram Victoria called Commodore Network, it is for general C64/C128 users and should fill a very large gap in the C64 support area. They produce a monthly newsletter, a bit more sophisticated than ours and, as it's not a specialist newsletter like ours (GEOS only) is somewhat thicker. It contains all that you'd want of such a publication, not a flash glossy magazine but full of good stuff like a GEOS page, games page. Articles on the much neglected C128, machine code the list goes on. For anyone interested the rates are as

follows, 3 issues A\$10:50, 6 issues A\$19:50, 12 issues A\$36:00. I might suggest to anyone wanting a look at the newsletter, go down to your local Travel Agents buy an A\$5 and send it to Warren asking for a sample, I am sure he will oblige. Write to... Warren Naismith, Commodore Network, Victoria,



NEW MEMBERS

Richard Paley	Glossodia Oz
Ian Swain	Fleetwood
Robert Lord	Wodonga Oz
Al Seculovic	Mosman Park Oz
Gerald Lee	Canley Heights Oz
Peter Boothman	Bondi Junction Oz
Mike Jones	Lytham St. Annes
David Lines	Edinburgh
Johnny Marsden	London
Ray George	Liverpool
Thomas Bell	Berrow-In-Furness
E.R. Benyon	Treharris
H. Styles	Steyning
James Head	Crediton
Tom Tompkins	Middlewich
Wilf Willingham	London

This totals 17 new members this month and brings our total to 100.

WELCOME one and all

FOR SALE

Brand New, unused, unopened, unregistered geoPUBLISH only £28 including postage contact: Stephen Collie, Stockport,

GEOS HAPPENINGS

by Dick Estel

I have recieved letters from several of the GEOS users I correspond with in other nations asking what is going on in certain areess of GEOS. I thought I would compile the answers into this article to help the others who may be wondering about these same matters.

GeoWorld Magazine has been published more and more irregularly over the last few years. I believe it has been at least a year since the last issue. I have been informed by co-editor Peter Hughes that the latest issue was completed and sent to the publisher for printing and distribution around July 27. this would indicate we can expect to recieve it some time in August or September. There have been rumours (not confirmed by Mr. Hughes) that a new editor will be taking over after this issue.

The news about geoMETRIX and their nesletter geoJournal is not so good. Since Grady Brown resigned as editor and left the organization last December there have been no further issues of geoJournal distributed. Up to issue #14 was put together. It is sad to see what was a very good Commodore GEOS publication come to an end like this. There are probably many factors going into it but it boiled down to the fact that if you sent money you deserve either a refund or the publications you paid for.

On a happier note, GEOS files are once again being updated on Q-link on a regular basis. Over the last eight months the Q-Link GEOS librarian has been very neglectful of his duties in my opinion. Offers of help and many complaints have been disregarded until recently. As an example, the last updating of the geoPAINT library until July was just before last Halloween.

Starting in July GEOS programmer and Q-Link GEOS representative jim Collette

becasme assistant librarian and has updated several dozen files. He is checking others that were uploaded and making them available as time allows but it looks like for now at least that the service level on Q-Link is back where it should be.

There have been a number of complaints posted on Q-Link about the lack of response to orders placed with GEOS artist Susan Lamb. No one has come up with any information on this problem.

Finally, on a personal note, if you are wondering what is going on with the GEOS Font Resource Directory. I am currently (8/92) working on supplement 13. This will be distributed as geoPAINT files on disk. When it is ready I will send notices to all my pest customers. If you'd like more information write to me care of this publication.

(As far as geoMETRIX is concerned, I joined paying \$20 and recieved issues #9, #10, #11 + #12. According to my membership slip I should have recieved up to issue #17 anyone requiring some more relevant information regarding this matter please contact me. FRANK)



In Memoriam

It is with very deep sorrow that I announce the passing of one of our lady members. Mrs. Margaret Foster, died peacefully on the morning of Thursday September 10th 1992 after a rather painful illness. Our condolences have been conveyed to Mr Foster and the family.

REST IN PEACE



Results of Questionnaire

by Jackie Watts

Without exception, all are pleased with what is produced at the moment but some would like to see some additions in the future. Most seem to realize that a lot of work goes into producing the monthly geoNEWS. As a non-member (I am the wife of a member) I hope I have analyzed the questionnaires without bias. It seem to me that some very valid points have been raised, but is anyone out there willing to give some help in providing some of the articles they would like to see.

The following points were raised. (*My comments in italics, Frank*)

1. One member would like to see a Pen-Pals section. this could simply be taken care of by printing a list of members names and addresses.

Anyone wanting one just send in your details we will see what happens

2. Two members would like articles not to be split into non consecutive pages. *Try producing a newsletter sometime and see how difficult it can be to fit everything in, I am new to this job but I am working on it*

3. One member suggests that the club could maybe sell fast moving items eg. paper, disks, ribbons etc. at a small profit to boost club funds. Does this member not realize that the cost of the initial purchase of such goods would have to come out of someones pocket or is the club rich enough to support such a large amount. *Very impractical, the cost of postage would make it cease to be the bargain it seemed when bought*

4. One member objects to the fact that the editor presumes that everyone is the proud owner of an REU or GEOS V2.0. *Do I ? SORRY*

5. One member would like to see a list of addresses where GEOS may be

obtained. *There isn't any in the UK as far as I know and certainly not one I would recommend, I did once and then held to blame for their inability to supply*

6. One member would like to see articles more articles which would be more helpful to 'Rookies'. *Honest, I try my best*

7. One member would like to see private Ads. *Already implemented*

8 One member would like to see more articles on geoProgrammer *Well here's one thing I cannot do, I do not have geoProgrammer nor do I understand machine code*

9 One member wants reference to GEOS icons and to know if they can be run from DeskTop and only on V2.0. *As they say in Russia Я НЕ ПОНИМАЮ!!*

This brings me to the Logo competition, with the question should we remain with our British begings or try to reflect our international membership. 45% said stay British, 40% international.

The actual logo's were, 1st choice was No.18, 2nd choice No. 1, 3rd choice No. 5. No. 14 had most votes but not as a first choice.

Editors Comment, I now feel that it was perhaps too early to start something like this because at the time we had about 30 members, now we are very close to 100. Because of this large increase we have found it difficult to keep up with the back issues and so not everyone knows about the questionnaire or logo competition and it also means that we have had some 'late' entires. Also, the first choice of logo No. 18 was the original one I used because we didn't have anything else, maybe some people voted for that because they thought it was mine. Well it wasn't, I 'borrowed' it from a guy called Mystic Jim simply so we would have some identification on our first free disks. Therefore, I have decided to award a prize of £5 to the second choice, a design by Duncan Pearson, and then run the

competition again early next year so we can all have another try and maybe I will make a better job of it at this second attempt. In fact if there is anyone who would like to take care of organising and running this competition please feel free, drop me a line and I'll have everyone send their works of art to you, for you to do a layout etc for the newsletter. I do not apologise for making a muck-up of it, it's all new to me as well.

FIRST CHOICE No. 18



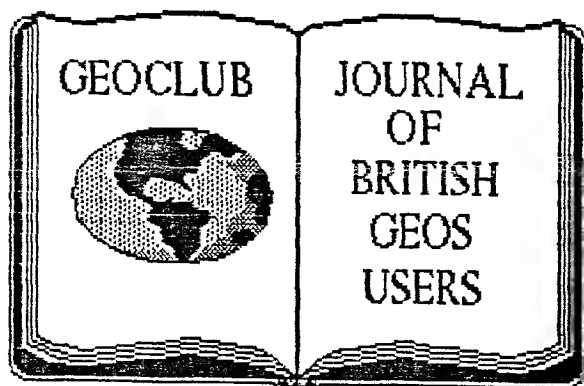
© COPYRIGHT 1991

SECOND CHOICE No. 1



by Duncan Pearson

THIRD CHOICE NO.5



by Toni Strong

geoCLUB DISKS

by Terry Watts

geoCLUB DISK 28

geoCLUB DISK 28

PaintView This will let you view all 27, yes 27 picture files on this disk. Some file names are Girls 1 and 2, Festival, Sport 1 and 2 etc. Please Note, these are screen sized pics, not full page geoPaint ones

geoCLUB DISK 29

GEOFETCH With this you can take 'pics' of the screen no matter what you are doing. I works like the 'expanding box' you select areas with in geoPaint.

GEOSLIDERS A very very frustating game

GEOSID A music player, some tunes/sounds included

GEO PIXELPUZZLER Scrambles any geoPaint pic and you have to put it back together. SLIDE SHOW Lets you view PhotoAlbums in a slide show format. Two Slide Show albums included.

GEOGRAPH and DOCS Lets you do your own graph for whatever people use Graphs for.

GeoWAR and Docs Wage War to beat the enemy, or if like me, get beaten

geoCLUB DISK 30

DISPLAY EDITOR Run this to view the pics on disk. B changes the Border colour, F1 changes the Background colour and Q Reselects. Thes are very good Screen sized pics. Pics include several screens of planes, cars etc.

geoCLUB DISK 31

PAINTVIEW Run this to view the 10 Border designs and other pics on this disk.

GETGRAPHIC and DOCS This programme shows just how easy it is to get and put the PrintShop pics into a PhotoAlbum for future use in your letters or add to geoPaint pics.

geoCLUB DISKS 32 and 33

Both these Disks are similar, they both contain GETGRAPHIC and the how to use.

DOCS and PHOTO MANAGER Each disk contains 6 different photoAlbums. Disk 32 Albums are Military 1 and 2, Faith 1, Celebrate, Christmas and Birds 1. Disk 33 Albums are Cartoons 1, School 1, Sea 1, Vehicles 1, Flora 1 and Fauna 1.

All geoCLUB disks and Font Disks are available from our software librarian. They cost £1.25 each for a double sided disk eg. Disk 28 on side A and Disk 29 on side B. Make cheques payable to geoCLUB. Send ALL orders and any queries regarding disks to **Terry Watts,**

Derby,

geoCLUB FONT DISKS

Font View is on every disk

Font Disk 1

Alien, Astra2, BigTop, Boardwalk,, Capunder, Chessboard, Compufont, CS Font, Def Leppard, Dinato, Aquines, Astra Billets, Bookplate, Chancery, Chess Set, Callegite, Cugar1, Diatronic, Dicktionary, ABC Grapic, Arrow24, Backstripe,Black Lts Mac, BSW128, Checkmate, Circulus, Compufont 30, DeVille, CS Font Docs.

Font Disk 2

Elizabethan Caps, Federation, FontGoria, Galey DM, German, Greek Symbols, Manuscript, Lined Manuscript, Mega Headerette, MegaReus, Duckabush 16, Elizabethan Lower, Fino, Frankfurt, Galley, Clypic, L'auriol, Laughmen, Mash, Megalcon, Mills NLQ, Dwinelle 36, Exotic, Fire, Frankfurt+, Grafitti 24, Latin, Mecintosh, Matt, Megalngot

Font Disk 3

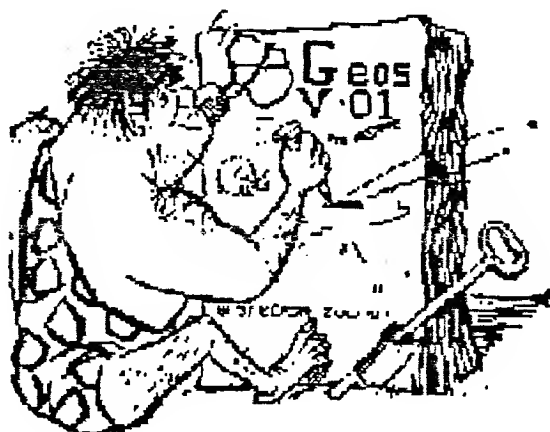
Mega Society, NLQ Tenq, Olde English 48, Orient, PaintBrush, Pimpf, Popcycle24, Payallup 12+24, Rutger 24, Nazareth, Odin, Orion, Outliner, Parcel Post, Playbill, pinstripe 24, Raceway, Mega PaintBrush, Megatum, Olde English, Opal Publisher, PaintBrush 48, Pica, Polkadot Mac, Publisher, Ribbon PS.

Font Disk 4

Schlock, Sepulchre, Shadow, Shotgun, Speed 2, StarFleet, Tabled, Tacoma, Trek 24, TypeSetter, MegaTrek, MegaOx, School, Sequin12+24, Shadow 2, Snow, Speed, StarTreking, Tahuval2+16, Theatre, Tukwila, Useful 7pt., Sample, Scrabble, 17CPI, ShadowBars 2, Soho+, Spooky +, StarTrek, TakeOut, Toronto, twisted, Waferesque

Font Disk 5

Boxed, D'nealiarn, DownTreck, Guitar Cord Docs., Hollywood, Italia 2, Music #+b, Music 1/4, Music Font Docs., Music Notes WHL, Braggo + Digi Font, DQ Roma, Guitier Cord, Horeizon, Jabbler Font, Music 1/16, Music 1/8, Music Scale, Notes QTR, Notes Docs., Cubic, Divley, Express, HLH 12/16, Hostage, Joker 24, Music 1/2, Music 1, Music Scale Docs. Athens



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- * Many informative, factual and technical articles.
- * Language tutorials in Basic, Machine Code and others.
- * Free advertisements for ClubLIGHT members.
- * The unique nationwide postal bulletin board service for all members. There are many folders.
- * Our free technical help and support line.
- * Members speak their minds in their letters.
- * Hardware and software reviews written for our members by our members.
- * "Thumbs Down!". We pinpoint trouble spots; from bad services to complete rip offs.
- * Reports of recent trends and developments unique to the Commodore world.
- * "FlashBack" - a look at the news from yesteryear!
- * "Steal the Limelight" - our members own soapbox.
- * Various Where-to's and How-to's.
- * Lists of useful contacts and addresses.
- * Sections specialising in various subjects; such as PD, Geos, Demos and so on.
- * Our new Pen-pal feature to help you meet others of a like mind.
- * Various programming hints and tips in the Protrax Basic and ML features.
- * Members' fiction and non-fiction stories and articles.
- * Various programs and routines linked to the tutorials and articles of the magazine

The ClubLIGHT disk is managed by a sophisticated and user friendly operating system allowing quick and easy access to all information, features and articles stored upon the disk. You are able to output all the material to a compatible printer, page numbered and indexed ready for binding. The entire system can also be reconfigured to your own personal preferences using our resident "CONFIG" program. Finally, every quarter we produce a special disk filled with programs and utilities specifically for the C64, the C128 and also for GEOS users.

ClubLIGHT commences with the September issue released during the first week of Sept. '92

If you wish to participate in this exciting new venture from DataSphere with the Club-on-a-Disk, then there are three options available to you, namely:

1. Send a stamped self-addressed envelope for our information news sheet and order form.
2. Send your cheque or postal order (made payable to DataSphere Publications) for one £2.20 issue.
3. Send your cheque or postal order for a full year's membership at £23.40.

Please send your request or remittance to:
DataSphere Publications
7 Fallowfield Close, Valley Drive, Norwich NR1 4NW

September club disk due for release 1st week Sept

DataSphere Publications (LD09)
7 Fallowfield Close, Valley Drive,
Norwich, NR1 4NW.